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NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
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NEWS 16 May 10 PROUSDDR now available on STN  
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May  
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NEWS 18 May 12 EXTEND option available in structure searching  
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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
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FILE 'HOME' ENTERED AT 18:20:15 ON 28 MAY 2004

=> file medline, uspatful, dgene, embase, wpids, biosis COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:20:36 ON 28 MAY 2004

FILE 'USPATFULL' ENTERED AT 18:20:36 ON 28 MAY 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 18:20:36 ON 28 MAY 2004  
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FILE 'BIOSIS' ENTERED AT 18:20:36 ON 28 MAY 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

=> s osteogenic protein  
L1 3183 OSTEOGENIC PROTEIN

=> s non-articular cartilage repair  
L2 0 NON-ARTICULAR CARTILAGE REPAIR

=> s (nonarticular) cartilage repair  
MISSING OPERATOR RTICULAR) CARTILAGE  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s "non-articular cartilage  
MISMATCHED QUOTE '"NON-ARTICU'  
Quotation marks (or apostrophes) must be used in pairs,  
one before and one after the expression you are setting  
off or masking.

=> s "non-articular cartilage"  
L3 27 "NON-ARTICULAR CARTILAGE"

=> s l3 and repair  
L4 0 L3 AND REPAIR

=> s l3 and regeneration  
L5 0 L3 AND REGENERATION

=> s l3 and defect locus  
L6 7 L3 AND DEFECT LOCUS

=> d l6 ti abs ibib tot

L6 ANSWER 1 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage  
tissue or ligaments using an osteogenic protein in a biocompatible,  
bioresorbable carrier  
AN AAY92442 Protein DGENE

AB The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-articular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92442 Protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
CROSS REFERENCES: N-PSDB: AAA09361  
DESCRIPTION: Human osteogenic protein 1 (OP-1).

L6 ANSWER 2 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier

AN AAY92441 protein DGENE

AB Generic Sequence 10 contains generic sequence 9 and an N-terminal extension. Generic sequence 9 is a composite amino acid sequence of the following proteins: human OP-1 to -3, human BMP-2 to -6, -9 to -11, Drosophila 60A, Xenopus Vg-1, sea urchin UNIVIN, human CDMP-1 to -3, human and mouse GDF-1, chicken DORSALIN, DPP, Drosophila Screw, mouse NODAL, mouse GDF-8 to -11, human GDF-8, -11, human BMP-15 and rat BMP3b. The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-articular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92441 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]

DESCRIPTION: Generic sequence 10, derived from osteogenic protein family members.

L6 ANSWER 3 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier  
AN AAY92440 protein DGENE  
AB Generic Sequence 9 is a composite amino acid sequence of the following proteins: human OP-1 to -3, human BMP-2 to -6, -9 to -11, Drosophila 60A, Xenopus Vg-1, sea urchin UNIVIN, human CDMP-1 to -3, human and mouse GDF-1, chicken DORSALIN, DPP, Drosophila Screw, mouse NODAL, mouse GDF-8 to -11, human GDF-8, -11, human BMP-15 and rat BMP3b. The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-articular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92440 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic sequence 9, derived from osteogenic protein family members.

L6 ANSWER 4 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier  
AN AAY92439 protein DGENE  
AB Generic Sequence 8 contains generic sequence 7 (AAY92438), which accomodates the homologies shared among osteogenic protein family members, including OP-1, OP-2, OP-3, BMP-2 to -6, 60A, DPP, Vg-1, Vgr-1 and GDF, as well as an N-terminal addition of 5 residues. The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-articular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92439 protein DGENE

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier

INVENTOR: Vukicevic S; Katic V; Sampath K T

PATENT ASSIGNEE: (STYC)STRYKER CORP.

PATENT INFO: WO 2000020021 A1 20000413 65p

APPLICATION INFO: WO 1999-US17222 19990730

PRIORITY INFO: US 1998-103161 19981006

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: 2000-317644 [27]

DESCRIPTION: Generic sequence 8, derived from osteogenic protein family members.

L6 ANSWER 5 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier

AN AAY92438 protein DGENE

AB Generic Sequence 7 accomodates the homologies shared among osteogenic protein family members, including OP-1, OP-2, OP-3, BMP-2 to -6, 60A, DPP, Vg-1, Vgr-1 and GDF. The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-articular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92438 protein DGENE

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier

INVENTOR: Vukicevic S; Katic V; Sampath K T

PATENT ASSIGNEE: (STYC)STRYKER CORP.

PATENT INFO: WO 2000020021 A1 20000413 65p

APPLICATION INFO: WO 1999-US17222 19990730

PRIORITY INFO: US 1998-103161 19981006

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: 2000-317644 [27]

DESCRIPTION: Generic sequence 7, derived from osteogenic protein family members.

L6 ANSWER 6 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier

AN AAY92437 protein DGENE

AB OPX defines the seven-cysteine skeleton of several OP-1 and OP-2 variants. Each Xaa is chosen from the residues occuring at the corresponding position in the C-terminal sequence of mouse or human OP-1 or OP-2. The specification concerns a novel method for repairing a defect in a **non-articular cartilage** tissue or a ligament of a mammal, which comprises providing an osteogenic protein in a biocompatible, bioresorbable carrier to the **defect locus** to induce the formation of functional replacement cartilage. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a **non-**

**articular cartilage** tissue or a ligament of a mammal,  
e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused  
by syphilis, tuberculosis or malignancy, defects resulting from  
mechanical trauma to the larynx or trachea (including tracheotomy and  
laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs,  
intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92437 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian  
nonarticular cartilage tissue or ligaments using an  
osteogenic protein in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic OPX, seven-cysteine skeleton.

L6 ANSWER 7 OF 7 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage  
tissue or ligaments using an osteogenic protein in a biocompatible,  
bioresorbable carrier  
AN AAA09361 cDNA DGENE  
AB The specification concerns a novel method for repairing a defect in a  
**non-articular cartilage** tissue or a ligament  
of a mammal, which comprises providing an osteogenic protein in a  
biocompatible, bioresorbable carrier to the **defect**  
**locus** to induce the formation of functional replacement  
cartilage. The methods and implants, promote chondrogenesis and are  
useful for repairing or correcting a defect in a **non-**  
**articular cartilage** tissue or a ligament of a mammal,  
e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused  
by syphilis, tuberculosis or malignancy, defects resulting from  
mechanical trauma to the larynx or trachea (including tracheotomy and  
laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs,  
intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAA09361 cDNA DGENE  
TITLE: Novel methods for repairing a defect in mammalian  
nonarticular cartilage tissue or ligaments using an  
osteogenic protein in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
CROSS REFERENCES: P-PSDB: AAY92442  
DESCRIPTION: Human osteogenic protein 1 (OP-1) coding sequence.

=> e vukicevic, s/au

E1	2	VUKICEVIC VLADIMIR/AU
E2	11	VUKICEVIC Z/AU
E3	0 -->	VUKICEVIC, S/AU
E4	1	VUKICH B B/AU
E5	1	VUKICH BETH B/AU
E6	5	VUKICH D/AU
E7	25	VUKICH D J/AU
E8	1	VUKICH DAVID/AU
E9	1	VUKICH DAVID J/AU

```
E10      1      VUKICH FRANKLIN J/AU
E11      1      VUKICH H/AU
E12      5      VUKICH J/AU
```

=> ekatic, v/au

EKATIC, IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> e katic, v/au

```
E1      1      KATIC VUKA/AU
E2      5      KATIC Z/AU
E3      0 --> KATIC, V/AU
E4      1      KATICA D/AU
E5      1      KATICA V/AU
E6      2      KATICH J F/AU
E7      1      KATICH M/AU
E8      3      KATICH M J/AU
E9      2      KATICH R/AU
E10     6      KATICH S/AU
E11     2      KATICH S C/AU
E12     2      KATICH STEPHANIE/AU
```

=> e sampath, k/au

```
E1      2      SAMPATH W S/AU
E2      4      SAMPATH WALAJABAD S/AU
E3      0 --> SAMPATH, K/AU
E4      2      SAMPATHACHAR K R/AU
E5      2      SAMPATHANUKUL P/AU
E6      1      SAMPATHANUKUL PICHET/AU
E7      1      SAMPATHI L/AU
E8      1      SAMPATHKAMUR SRINIVASA GOPALAN/AU
E9      1      SAMPATHKUM K/AU
E10     1      SAMPATHKUM L/AU
E11     6      SAMPATHKUM P/AU
E12     3      SAMPATHKUM P S/AU
```

=> s e5

L7 2 "SAMPATHANUKUL P"/AU

=> d l7 ti abs ibib tot

L7 ANSWER 1 OF 2 MEDLINE on STN

TI Diagnosis of Helicobacter pylori infection in a developing country:  
comparison of two ELISAs and a seroprevalence study.

AB Serology to detect antibodies to Helicobacter pylori is not frequently  
used as a diagnostic tool in developing countries. When compared to a  
commercial ELISA, an ELISA constructed and validated in Thailand had a  
higher sensitivity (98% vs. 85%), specificity (76% vs. 66%), and negative  
predictive value (97% vs. 76%) for the detection of H. pylori infection  
among 104 patients with dyspepsia evaluated by endoscopy. The positive  
predictive value was 88% for both tests. Serum antibody levels fell  
significantly 5-8 months after eradication of infection in 8 Thai patients  
(P = .009). By 8 years of age, > 50% of Thai persons living in urban and  
rural locations were seropositive. The low negative predictive value of  
the commercial ELISA limits the usefulness of this assay as a diagnostic  
tool in Thailand and suggests a need to reevaluate H. pylori serologic  
tests when used in populations living in developing countries.

ACCESSION NUMBER: 94065288 MEDLINE

DOCUMENT NUMBER: PubMed ID: 8245544

TITLE: Diagnosis of Helicobacter pylori infection in a developing  
country: comparison of two ELISAs and a seroprevalence  
study.

AUTHOR: Bodhidatta L; Hoge C W; Churnratanakul S; Nirdnoy W;  
**Sampathanukul P**; Tungtaem C; Raktham S; Smith C D;  
Echeverria P  
CORPORATE SOURCE: Department of Bacteriology, Armed Forces Research Institute  
of Medical Sciences, Bangkok, Thailand.  
SOURCE: Journal of infectious diseases, (1993 Dec) 168 (6) 1549-53.  
Journal code: 0413675. ISSN: 0022-1899.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199312  
ENTRY DATE: Entered STN: 19940201  
Last Updated on STN: 19990129  
Entered Medline: 19931228

L7 ANSWER 2 OF 2 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN

TI Diagnosis of Helicobacter pylori infection in a developing country:  
Comparison of two ELISAs and a seroprevalence study.

AB Serology to detect antibodies to Helicobacter pylori is not frequently  
used as a diagnostic tool in developing countries. When compared to a  
commercial ELISA, an ELISA constructed and validated in Thailand had a  
higher sensitivity (98% vs. 85%), specificity (76% vs. 66%), and negative  
predictive value (97% vs. 76%) for the detection of H. pylori infection  
among 104 patients with dyspepsia evaluated by endoscopy. The positive  
predictive value was 88% for both tests. Serum antibody levels fell  
significantly 5-8 months after eradication of infection in 8 Thai patients  
(P = .009). By 8 years of age, >50% of Thai persons living in urban and  
rural locations were seropositive. The low negative predictive value of  
the commercial ELISA limits the usefulness of this assay as a diagnostic  
tool in Thailand and suggests a need to reevaluate H. pylori serologic  
tests when used in populations living in developing countries.

ACCESSION NUMBER: 93344938 EMBASE

DOCUMENT NUMBER: 1993344938

TITLE: Diagnosis of Helicobacter pylori infection in a developing  
country: Comparison of two ELISAs and a seroprevalence  
study.

AUTHOR: Bodhidatta L.; Hoge C.W.; Churnratanakul S.; Nirdnoy W.;  
**Sampathanukul P.**; Tungtaem C.; Raktham S.; Smith  
C.D.; Echeverria P.

CORPORATE SOURCE: USA Medical Component, AFRIMS, APO AP 96546, United States

SOURCE: Journal of Infectious Diseases, (1993) 168/6 (1549-1553).  
ISSN: 0022-1899 CODEN: JIDIAQ

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 004 Microbiology  
006 Internal Medicine  
017 Public Health, Social Medicine and Epidemiology  
048 Gastroenterology

LANGUAGE: English

SUMMARY LANGUAGE: English

=> d his

(FILE 'HOME' ENTERED AT 18:20:15 ON 28 MAY 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, BIOSIS' ENTERED AT  
18:20:36 ON 28 MAY 2004

L1 3183 S OSTEOGENIC PROTEIN  
L2 0 S NON-ARTICULAR CARTILAGE REPAIR  
L3 27 S "NON-ARTICULAR CARTILAGE"  
L4 0 S L3 AND REPAIR



L5 0 S L3 AND REGENERATION  
L6 7 S L3 AND DEFECT LOCUS  
E VUKICEVIC, S/AU  
E KATIC, V/AU  
E SAMPATH, K/AU  
L7 2 S E5

=> s ostogenic device  
L8 0 OSTOGENIC DEVICE

=> s replacement cartilage  
L9 63 REPLACEMENT CARTILAGE

=> s l9 and l1  
L10 10 L9 AND L1

=> d l10 ti abs ibib tot

L10 ANSWER 1 OF 10 USPATFULL on STN  
TI Biohybrid articular surface replacement  
AB The invention relates to a biohybrid articular surface replacement in the form of a three-dimensional, porous carrier, in which cartilage cells can be cultured in vitro and/or in vivo to a three-dimensional cell union and which following cell growth and optionally after tissue development, can be placed on the exposed bone in the vicinity of a defective articular surface, wherein on the side of the carrier intended for engagement with the bone it has an agent for aiding osseous integration.

ACCESSION NUMBER: 2001:208689 USPATFULL  
TITLE: Biohybrid articular surface replacement  
INVENTOR(S): Meenen, Norbert M., Hamburg, Germany, Federal Republic of  
Dauner, Martin, Esslingen, Germany, Federal Republic of  
Planck, Heinrich, Nuertingen, Germany, Federal Republic of  
PATENT ASSIGNEE(S): Deutsche Institute fur Textil-und Faserforschung  
Stuttgart, Denkendorf, Germany, Federal Republic of  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6319712	B1	20011120
APPLICATION INFO.:	US 1999-238079		19990126 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19803673	19980130
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Lankford, Jr., Leon B.	
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP	
NUMBER OF CLAIMS:	39	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	537	

L10 ANSWER 2 OF 10 USPATFULL on STN  
TI Repair of larynx, trachea, and other fibrocartilaginous tissues  
AB Provided herein are methods and devices for inducing the formation of functional replacement nonarticular cartilage tissues and ligament tissues. These methods and devices involve the use of osteogenic proteins, and are useful in repairing defects in the larynx, trachea, interarticular menisci, intervertebral discs, ear, nose, ribs and other

fibrocartilaginous tissues in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:165613 USPATFULL  
TITLE: Repair of larynx, trachea, and other fibrocartilaginous tissues  
INVENTOR(S): Vukicevic, Slobodan, Zagreb, Croatia  
Katic, Vladimir, Zagreb, Croatia  
Sampath, Kuber T., Holliston, MA, United States  
PATENT ASSIGNEE(S): Creative BioMolecules, Inc. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001024823	A1	20010927
APPLICATION INFO.:	US 2001-828607	A1	20010406 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1999-US17222, filed on 30 Jul 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103161P	19981006 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY, 10020-1105	
NUMBER OF CLAIMS:	56	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1859	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 3 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
AN AAY92442 Protein DGENE  
AB The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92442 Protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
CROSS REFERENCES: N-PSDB: AAA09361  
DESCRIPTION: Human **osteogenic protein** 1 (OP-1).

L10 ANSWER 4 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier

AN AAY92441 protein DGENE

AB Generic Sequence 10 contains generic sequence 9 and an N-terminal extension. Generic sequence 9 is a composite amino acid sequence of the following proteins: human OP-1 to -3, human BMP-2 to -6, -9 to -11, Drosophila 60A, Xenopus Vg-1, sea urchin UNIVIN, human CDMP-1 to -3, human and mouse GDF-1, chicken DORSALIN, DPP, Drosophila Screw, mouse NODAL, mouse GDF-8 to -11, human GDF-8, -11, human BMP-15 and rat BMP3b. The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92441 protein DGENE

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier

INVENTOR: Vukicevic S; Katic V; Sampath K T

PATENT ASSIGNEE: (STYC)STRYKER CORP.

PATENT INFO: WO 2000020021 A1 20000413 65p

APPLICATION INFO: WO 1999-US17222 19990730

PRIORITY INFO: US 1998-103161 19981006

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: 2000-317644 [27]

DESCRIPTION: Generic sequence 10, derived from **osteogenic protein** family members.

L10 ANSWER 5 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier

AN AAY92440 protein DGENE

AB Generic Sequence 9 is a composite amino acid sequence of the following proteins: human OP-1 to -3, human BMP-2 to -6, -9 to -11, Drosophila 60A, Xenopus Vg-1, sea urchin UNIVIN, human CDMP-1 to -3, human and mouse GDF-1, chicken DORSALIN, DPP, Drosophila Screw, mouse NODAL, mouse GDF-8 to -11, human GDF-8, -11, human BMP-15 and rat BMP3b. The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92440 protein DGENE

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible,

bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic sequence 9, derived from **osteogenic protein** family members.

L10 ANSWER 6 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
AN AAY92439 protein DGENE  
AB Generic Sequence 8 contains generic sequence 7 (AAY92438), which accomodates the homologies shared among **osteogenic protein** family members, including OP-1, OP-2, OP-3, BMP-2 to -6, 60A, DPP, Vg-1, Vgr-1 and GDF, as well as an N-terminal addition of 5 residues. The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92439 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier

INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic sequence 8, derived from **osteogenic protein** family members.

L10 ANSWER 7 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
AN AAY92438 protein DGENE  
AB Generic Sequence 7 accomodates the homologies shared among **osteogenic protein** family members, including OP-1, OP-2, OP-3, BMP-2 to -6, 60A, DPP, Vg-1, Vgr-1 and GDF. The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal,

e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, vertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92438 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic sequence 7, derived from **osteogenic protein** family members.

L10 ANSWER 8 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
AN AAY92437 protein DGENE  
AB OPX defines the seven-cysteine skeleton of several OP-1 and OP-2 variants. Each Xaa is chosen from the residues occurring at the corresponding position in the C-terminal sequence of mouse or human OP-1 or OP-2. The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, vertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAY92437 protein DGENE  
TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
INVENTOR: Vukicevic S; Katic V; Sampath K T  
PATENT ASSIGNEE: (STYC)STRYKER CORP.  
PATENT INFO: WO 2000020021 A1 20000413 65p  
APPLICATION INFO: WO 1999-US17222 19990730  
PRIORITY INFO: US 1998-103161 19981006  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2000-317644 [27]  
DESCRIPTION: Generic OPX, seven-cysteine skeleton.

L10 ANSWER 9 OF 10 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier  
AN AAA09361 cDNA DGENE  
AB The specification concerns a novel method for repairing a defect in a non-articular cartilage tissue or a ligament of a mammal, which comprises providing an **osteogenic protein** in a biocompatible,

bioresorbable carrier to the defect locus to induce the formation of functional **replacement cartilage**. The methods and implants, promote chondrogenesis and are useful for repairing or correcting a defect in a non-articular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, oedema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

ACCESSION NUMBER: AAA09361 cDNA DGENE

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier

INVENTOR: Vukicevic S; Katic V; Sampath K T

PATENT ASSIGNEE: (STYC)STRYKER CORP.

PATENT INFO: WO 2000020021 A1 20000413 65p

APPLICATION INFO: WO 1999-US17222 19990730

PRIORITY INFO: US 1998-103161 19981006

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: 2000-317644 [27]

CROSS REFERENCES: P-PSDB: AAY92442

DESCRIPTION: Human **osteogenic protein 1** (OP-1) coding sequence.

L10 ANSWER 10 OF 10 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

TI Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible, bioresorbable carrier.

AN 2000-317644 [27] WPIDS

CR 2000-317706 [27]

AB WO 200020021 A UPAB: 20020910

NOVELTY - Repairing a defect in a nonarticular cartilage tissue or a ligament of a mammal, comprising providing an **osteogenic protein** in a biocompatible, bioresorbable carrier to the defect locus, inducing the formation of functional **replacement cartilage**, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) an implantable device for repairing a defect in a nonarticular cartilage tissue comprising an **osteogenic protein** disposed in a devitalized cartilage, a collagen carrier, or a carboxymethylcellulose carrier; and

(2) promoting chondrogenesis at a defect locus in a mammal comprising providing an **osteogenic protein** in a devitalized cartilage carrier that is configured to fit into the defect locus.

ACTIVITY - Osteogenic; chondrogenic.

MECHANISM OF ACTION - Osteopathic stimulating implant; transplantation.

USE - The methods and implants are useful for repairing or correcting a defect in a nonarticular cartilage tissue or a ligament of a mammal, e.g. cleft larynx, edema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

Dwg.0/0

ACCESSION NUMBER: 2000-317644 [27] WPIDS

CROSS REFERENCE: 2000-317706 [27]

DOC. NO. CPI: C2000-096081

TITLE: Novel methods for repairing a defect in mammalian nonarticular cartilage tissue or ligaments using an **osteogenic protein** in a biocompatible,

bioresorbable carrier.

DERWENT CLASS: A96 B04 D22  
INVENTOR(S): KATIC, V; SAMPATH, K T; VUKICEVIC, S  
PATENT ASSIGNEE(S): (STYC) STRYKER CORP; (CREA-N) CREATIVE BIOMOLECULES INC  
COUNTRY COUNT: 23  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000020021	A1	20000413	(200027)*	EN	64
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
W: AU CA JP US					
AU 9952417	A	20000426	(200036)		
EP 1117422	A1	20010725	(200143)	EN	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 2001024823	A1	20010927	(200159)		
JP 2002526167	W	20020820	(200258)		70

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000020021	A1	WO 1999-US17222	19990730
AU 9952417	A	AU 1999-52417	19990730
EP 1117422	A1	EP 1999-937624	19990730
		WO 1999-US17222	19990730
US 2001024823	A1 Provisional	US 1998-103161P	19981006
	Cont of	WO 1999-US17222	19990730
		US 2001-828607	20010406
JP 2002526167	W	WO 1999-US17222	19990730
		JP 2000-573380	19990730

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9952417	A Based on	WO 2000020021
EP 1117422	A1 Based on	WO 2000020021
JP 2002526167	W Based on	WO 2000020021

PRIORITY APPLN. INFO: US 1998-103161P 19981006; US  
2001-828607 20010406

## Refine Search

### Search Results -

Terms	Documents
L8 and L7	8

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

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### Search History

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result set

*DB=USPT; PLUR=YES; OP=OR*

<u>L9</u>	L8 and L7	8	<u>L9</u>
<u>L8</u>	L6 and GDF-3	47	<u>L8</u>
<u>L7</u>	L6 and BMP-15	27	<u>L7</u>
<u>L6</u>	L3 and defect locus	44528	<u>L6</u>
<u>L5</u>	katic.in.	3	<u>L5</u>
<u>L4</u>	vukicevic.in.	1	<u>L4</u>
<u>L3</u>	osteogenic protein and L2	6870	<u>L3</u>
<u>L2</u>	nonarticular cartilage and L1	9417	<u>L2</u>
<u>L1</u>	cartilage repair or regeneration	167646	<u>L1</u>

END OF SEARCH HISTORY



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### Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 6723698 B2

L9: Entry 1 of 8

File: USPT

Apr 20, 2004

US-PAT-NO: 6723698

DOCUMENT-IDENTIFIER: US 6723698 B2

TITLE: Methods and compositions for the treatment of motor neuron injury and neuropathy

DATE-ISSUED: April 20, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rueger; David C.	Southborough	MA		
Sampath; Kuber T.	Holliston	MA		
Oppermann; Hermann	Medway	MA		
Pang; Roy H. L.	Etna	NH		
Cohen; Charles M.	Weston	MA		

US-CL-CURRENT: 514/12; 530/351

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6696410 B1

L9: Entry 2 of 8

File: USPT

Feb 24, 2004

US-PAT-NO: 6696410

DOCUMENT-IDENTIFIER: US 6696410 B1

TITLE: Compositions and therapeutic methods using morphogenic proteins, hormones and hormone receptors

DATE-ISSUED: February 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; John C.	San Antonio	TX		
Yeh; Lee-Chuan C.	San Antonio	TX		

US-CL-CURRENT: 514/2; 424/198.1, 530/350, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 3. Document ID: US 6677432 B1

L9: Entry 3 of 8

File: USPT

Jan 13, 2004

US-PAT-NO: 6677432

DOCUMENT-IDENTIFIER: US 6677432 B1

TITLE: Mutations of the C-terminal portion of TGF-.beta. superfamily proteins

DATE-ISSUED: January 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oppermann; Hermann	Medway	MA		
Tai; Mei-Sheng	Shrewsbury	MA		
McCartney; John	Holliston	MA		

US-CL-CURRENT: 530/350; 435/440, 435/445, 435/69.1, 530/399, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 4. Document ID: US 6506729 B1

L9: Entry 4 of 8

File: USPT

Jan 14, 2003

US-PAT-NO: 6506729

DOCUMENT-IDENTIFIER: US 6506729 B1

TITLE: Methods and compositions for the treatment and prevention of Parkinson's disease

DATE-ISSUED: January 14, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rueger; David C.	Southborough	MA		
Sampath; Kuber T.	Holliston	MA		
Cohen; Charles M.	Weston	MA		
Oppermann; Hermann	Medway	MA		
Pang; Roy H. L.	Etna	NH		

US-CL-CURRENT: 514/12; 514/2, 530/350, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 5. Document ID: US 6426332 B1

L9: Entry 5 of 8

File: USPT

Jul 30, 2002

US-PAT-NO: 6426332

DOCUMENT-IDENTIFIER: US 6426332 B1

TITLE: Matrix-free osteogenic devices, implants and methods of use thereof

DATE-ISSUED: July 30, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rueger; David C.	Southborough	MA		
Tucker; Marjorie M.	Holliston	MA		

US-CL-CURRENT: 514/21; 424/423, 514/12, 604/506, 604/522

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 6409764 B1

L9: Entry 6 of 8

File: USPT

Jun 25, 2002

US-PAT-NO: 6409764

DOCUMENT-IDENTIFIER: US 6409764 B1

TITLE: Methods and articles for regenerating bone or peridental tissue

DATE-ISSUED: June 25, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
White; Charles F.	Camp Verde	AZ	86322	
Flynn; Charles	Cottonwood	AZ	86326	
Cook; Alonzo D.	Flagstaff	AZ	86001	
Hardwick; William R.	Flagstaff	AZ	86001	
Wikesjo; Ulf M. E.	Bryn Mawr	PA	19010	
Thomson; Robert C.	Flagstaff	AZ	86001	

US-CL-CURRENT: 623/16.11; 424/424, 433/201.1, 433/215, 623/23.72, 623/23.76,  
623/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US 6407060 B1

L9: Entry 7 of 8

File: USPT

Jun 18, 2002

US-PAT-NO: 6407060

h e b b g e e e f e c b e f b e

DOCUMENT-IDENTIFIER: US 6407060 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for enhancing functional recovery following central nervous system ischemia or trauma

DATE-ISSUED: June 18, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Charette; Marc F.	Needham	MA		
Finklestein; Seth P.	Needham	MA		

US-CL-CURRENT: 514/12; 514/21, 530/324, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 6281195 B1

L9: Entry 8 of 8

File: USPT

Aug 28, 2001

US-PAT-NO: 6281195

DOCUMENT-IDENTIFIER: US 6281195 B1

**\*\* See image for Certificate of Correction \*\***TITLE: Matrix-free osteogenic devices, implants and methods of use thereof

DATE-ISSUED: August 28, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rueger; David C.	Southborough	MA		
Tucker; Marjorie M.	Holliston	MA		

US-CL-CURRENT: 514/21; 424/423, 514/12, 604/506, 604/522

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw. De
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L8 and L7

8

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